

APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

The claims are amended as follows:

1. (Twice Amended) An electromotive device used in [an oil]an automotive transmission, said electromagnetic device comprising:
 - an outer casing;
 - a moveable shaft supported by said outer casing;
 - a bobbin disposed inside said outer casing so as to be disposed around said moveable shaft on a common axis with said moveable shaft; and
 - a coil embedded in an outer molding, said coil being constructed by winding a conducting wire onto said bobbin, and
 - means for preventing sulfur compounds from permeating said bobbin and said outer molding and attendantly reducing the formation of sulfur compounds on a surface of said conducting wire, thereby suppressing the reduction in adhesive strength of an electrically-insulating layer to said conducting wire, wire breakage, and short circuiting between said conducting wires,
 - said preventing means comprising forming said bobbin and said outer molding of an electrically-insulating material resistant to permeation by sulfur compounds.

PRELIMINARY AMENDMENT
US Application No. 09/892,845
Attorney Docket No. Q65157

3. (Twice Amended) An electromotive device used in [an oil]an automotive transmission, said electromagnetic device comprising:

- an outer casing;
- a moveable shaft supported by said outer casing;
- a bobbin disposed inside said outer casing so as to be disposed around said moveable shaft on a common axis with said moveable shaft; and
- a coil embedded in an outer molding, said coil being constructed by winding a conducting wire onto said bobbin,
- an electrically-insulating layer coated on said conducting wire,
- a protective layer coated on said electrically-insulating layer, and
- means for preventing sulfur compounds from permeating said protective layer and attendantly reducing the formation of sulfur compounds on a surface of said conducting wire, thereby suppressing reduction in adhesive strength of the electrically-insulating layer to the conducting wire, wire breakage, and short circuiting between said conducting wires,
- said preventing means comprising forming said protective layer of an electrically-insulating material resistant to permeation by sulfur compounds.

5. (Twice Amended) An electromotive device used in [an oil]an automotive transmission, said electromagnetic device comprising:

- an outer casing;
- a moveable shaft supported by said outer casing;

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a bobbin disposed inside said outer casing so as to be disposed around said moveable shaft on a common axis with said moveable shaft;

a coil embedded in an outer molding, said coil being constructed by winding a conducting wire onto said bobbin,

a high-temperature solder layer coated on said conducting wire, thereby suppressing reduction in adhesive strength of the electrically-insulating layer to the conducting wire, wire breakage, and short circuiting between said conducting wires,

said preventing means comprising forming said protective layer of an electrically-insulating material resistant to permeation by sulfur compounds.